

Electronic Delivery

Signing Sealing and Securing Project Deliveries with PEDDS



What is PEDDS?

PEDDS is a system by which a user can know if any changes have been made to a project after it has been secured. Additionally, PEDDS associates a professional's name, license number, hand written signature and embossed seal with a numeric code that represents files that the professional intends to sign and seal.



Acquiring PEDDS

FDOT Personnel

see your District CADD Manager

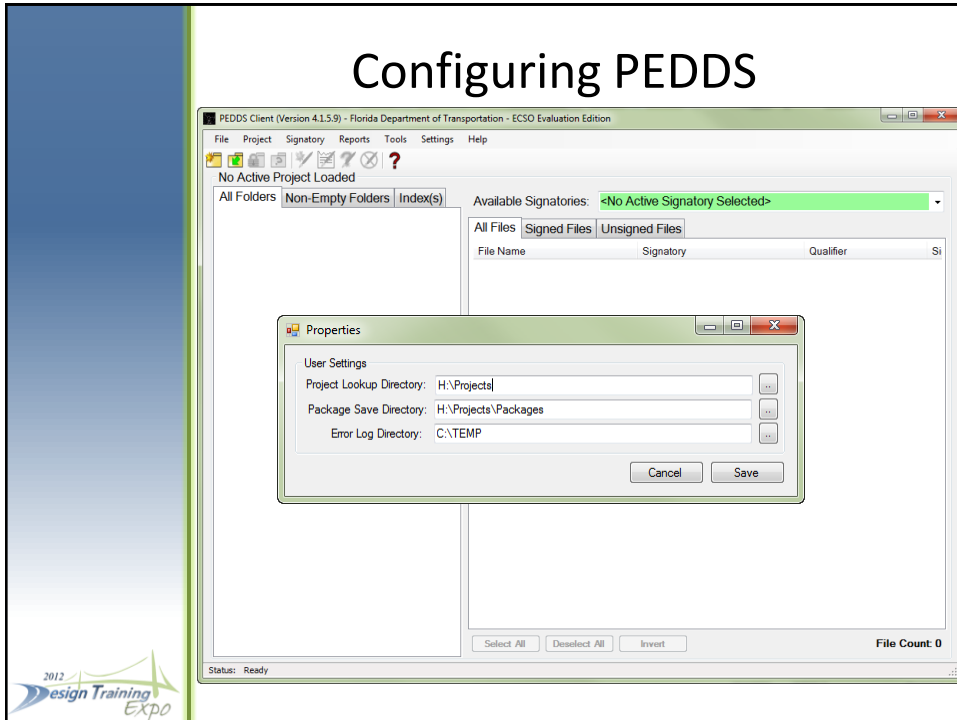
<http://www.dot.state.fl.us/ecso/>



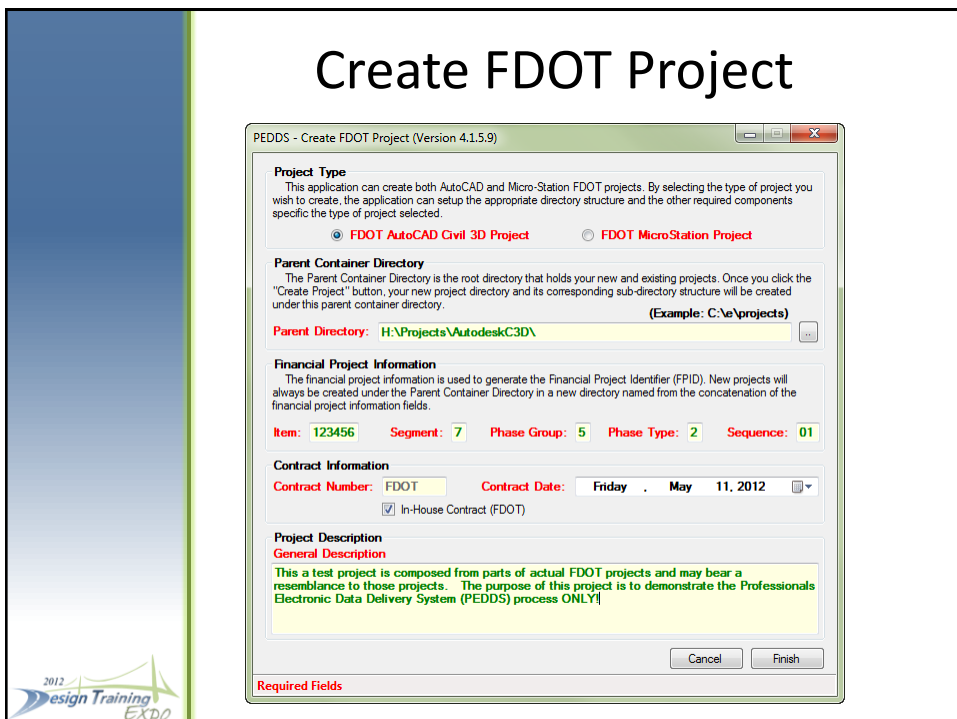
Acquiring PEDDS



Configuring PEDDS



Create FDOT Project



Create FDOT Project

PEDDS - ProjectId XML Editor 4.1.5.9

Identification Location Disciplines Bridges Description Management

Project Information

Project Path: H:\Projects\AutodeskC3D\12345675201

Project Key: FEFA2083-7986-4A7A-9564-547DB40B5A93

Financial Project Information

Item: 123456 Segment: 7 Phase Group: 5 Phase Type: 2 Sequence: 01

Federal Aid Number

Route: 1234 Improvement: 567 FAN Type: I: INTERSTATE

Contract Information

Contract Number: FDOT Contract Date: Friday, May 11, 2012

☒ In-House Contract (FDOT)

Project Usage

Usage: As-Bid

Cancel < Back Next >

Ready for Input



Create FDOT Project

PEDDS - ProjectId XML Editor 4.1.5.9

Identification Location Disciplines Bridges Description Management

Project Designation

Designation: Fictitious Project

Project Locations

	County Name	Section	SubSection	Begin Mile Post	End Mile Post
▶	Leon	100	200	1.000	3.000
*					

State Road Numbers

	State Road Number
▶	27
*	

Cancel < Back Next >

This field requires <= 255 alpha/numeric characters.



Create FDOT Project

PEDDS - ProjectId XML Editor 4.1.5.9

Identification Location Disciplines Bridges Description Management

Project Disciplines

Standard Disciplines

- ☒ Architectural
- ☐ Construction
- ☒ Landscaping
- ☒ Lighting
- ☐ Permits
- ☐ Specifications
- ☐ Structures
- ☐ Survey
- ☐ Traffic Management
- ☐ Utilities

FDOT Specific Disciplines

- ☐ Administration
- ☐ AsBuilt
- ☐ Contracts
- ☒ Drainage
- ☐ Environmental
- ☐ Estimates
- ☐ Geotechnical
- ☐ Maintenance
- ☐ Marking
- ☒ MOTI
- ☐ Planning
- ☐ Project Management
- ☐ Quality Assurance
- ☐ Right of Way
- ☒ Roadway
- ☐ Shop
- ☐ Signalization
- ☐ Soils

Ready for Input

Cancel < Back Next >



Create FDOT Project

PEDDS - ProjectId XML Editor 4.1.5.9

Identification Location Disciplines Bridges Description Management

Bridge Locations

	Bridge Number	On Surface	Over Surface
0	551234	Hwy 27	Ochlocknee River
*			

Ready for Input

Cancel < Back Next >



Create FDOT Project

PEDDS - ProjectId XML Editor 4.1.5.9

Identification | Location | Disciplines | Bridges | Description | Management

Project Description

This a test project is composed from parts of actual FDOT projects and may bear a resemblance to those projects. The purpose of this project is to demonstrate the Professionals Electronic Data Delivery System (PEDDS) process ONLY!

Keywords

Comments

Ready for Input

Cancel < Back Next >



Create FDOT Project

PEDDS - ProjectId XML Editor 4.1.5.9

Identification | Location | Disciplines | Bridges | Description | Management

Project Manager Information

Manager Name: FDOT Project Manager name goes here

Project Created By

Firm Name: ACME Engineering Inc.

Vendor Number: V123456789

Professionals of Record

	Name	AreaOfResponsibility
/	Willy Pavette	Roadway Design
*		

Ready for Input

Cancel < Back Finish



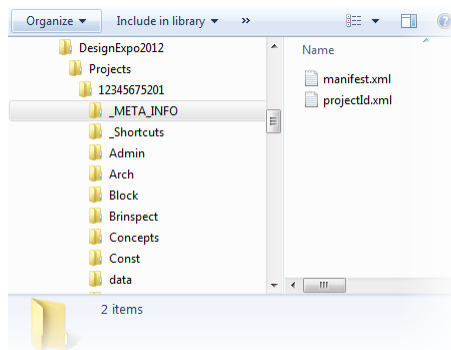
Open FDOT Project

- Navigate and open
- Use the Most Recently Used (MRU) list
- Drag-n-Drop



Anatomy 101

What makes a Project
a “PEDDS” Project?



Signature File

Professional Types:

- Engineer - PE
- Professional Surveyor and Mapper - PSM
- Geologist - GE
- Landscape Architect - LA
- Architects & Interior Designers – RA & ID



61G15-23.003 F.A.C.

Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents

(1) Engineering work which must be sealed under the provisions of Section 471.025, F.S., may be signed electronically or digitally as provided herein by the professional engineer in responsible charge.



61G15-23.003 F.A.C.

Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents

(1) (a) A scanned image of an original signature shall not be used in lieu of a digital or electronic signature.



61G15-23.003 F.A.C.

Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents

(1)(b) The date that the electronic signature file was created or the digital signature was placed into the document must appear on the document in the same manner as date is required to be applied when a licensee uses the manual sealing procedure set out in Rule 61G15-23.002, F.A.C.



61G15-23.003 F.A.C.

Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents

(3) A professional engineer utilizing an electronic signature to seal engineering work shall create a "signature" file that contains the engineer's name and PE number, a brief overall description of the engineering documents, and a list of the electronic files to be sealed.



61G15-23.003 F.A.C.

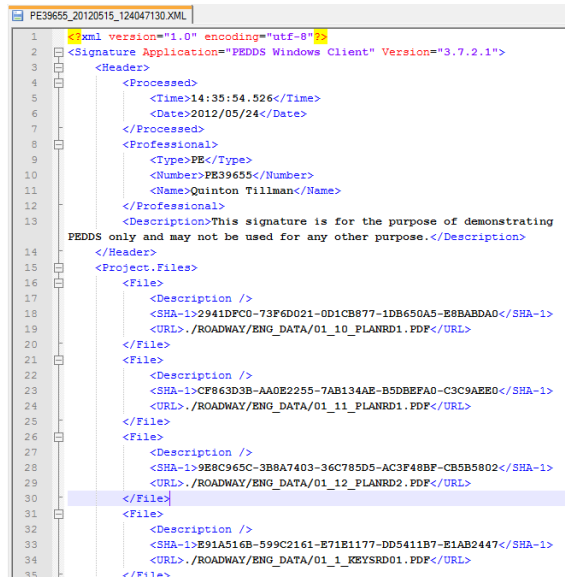
Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents

(3) ... Each file shall have an authentication code defined as an SHA-1 message digest described in Federal Information Processing Standard Publication 180-3 "Secure Hash Standard,"...



Signature File

PE 39655 _ 20080414 _ 154852942 . XML




61G15-23.003 F.A.C.

Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents

(3) ... The licenses shall then create a report that contains the engineer's name and PE number, a brief overall description of the engineering documents in question and the authentication code of the signature file...




61G15-23.003 F.A.C.

Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents

(3) ...This report shall be printed and manually signed, dated, and sealed by the professional engineer in responsible charge.

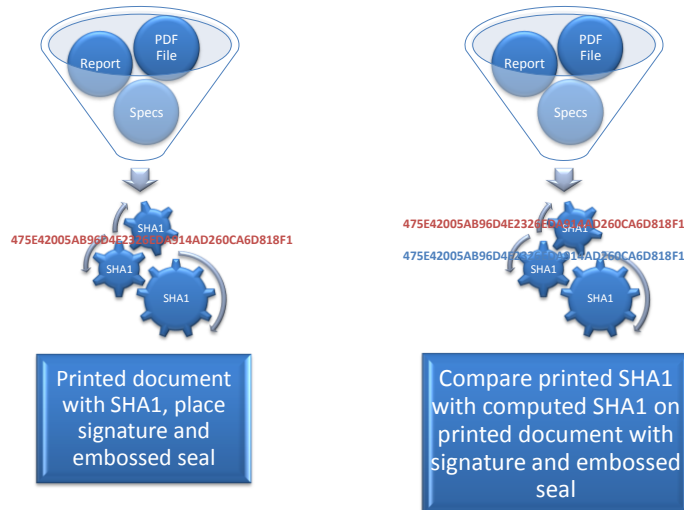


Signature Document

PROFESSIONALS' ELECTRONIC DATA DELIVERY SYSTEM	
Signature Document	
5/24/2012 2:35:55 PM	
SIGNATURE SUMMARY	
Financial Project ID:	123456-7-52-41
Signature Name:	Quinton Tillman, PE - License No: PE39655
Signature File Path:	\\META_INFO\PE39655_20120515_124047130.XML
Date Created:	2012/05/24 14:35:54.526
Scope of Work:	This signature is for the purpose of demonstrating PEDDS only and may not be used for any other purpose.
SIGNATURE DETAILS	
Signature File Hash Code:	357B1D0E-8E6A0204-E3DA6F58-7272D660-EE857F9F
	357B1D0E-8E6A0204-E3DA6F58-7272D660-EE857F9F
	357B1D0E-8E6A0204-E3DA6F58-7272D660-EE857F9F
Number of Signed and Sealed Files:	12
SIGN AND SEAL	
This document is signed and sealed to secure the electronic files referenced by the signature files as described in Florida Department of Business and Professional Regulation, Board of Professional Engineers, Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or other Documents, Rule 61G15-23.003, F.A.C..	
* See PEDDS for any qualifications or further limitation in scope on individual signed and sealed drawings or files in this project or appropriate.	
 Quinton Tillman, PE License No: PE39655	Date
5 of 1	



Signing, Sealing and Authentication



Signing Sheets

- Create / Select Active Signature
- Select the files for signature
- Select "Sign & Seal" from Menu
- Generate Signature Document
- Print Document and Sign

What Must be Delivered?

How to Receive a Project

- Checks that Project Keys Match
- Checks validity of all signatures
- Reads Manifest.XML file
- Compares SHA on all project files
- “Delivery Authentication Document”



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